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Application Serial Number:

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Date Processed by STIC:

10/669,162B

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- 1. EFS-Bio (<a href="http://www.uspto.gov/ebc/efs/downloads/documents.htm">http://www.uspto.gov/ebc/efs/downloads/documents.htm</a>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
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Revised 05/17/04

DATE: 07/28/2004

TIME: 15:47:40

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Input Set : A:\228234_5.doc
                  Output Set: N:\CRF4\07282004\J669162B.raw
  183 <212> TYPE: RNA
  184 <213> ORGANISM: Artificial Sequence
  186 <220> FEATURE:
  187 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
  188
         synthetic construct
  190 <220> FEATURE:
  191 <221> NAME/KEY: misc_feature
  192 <222> LOCATION: 1, 7-9, 13, 14, 16, 18, 25, 26, 32, 33, 37, 39, 42, 43, 50,
           51
  194 <223> OTHER INFORMATION: n = g, a, c or u
  196 <220> FEATURE:
  197 <221> NAME/KEY: misc_feature
  198 <222> LOCATION: 38, 44
  199 <223 > OTHER INFORMATION: r = a or g
  201 <220> FEATURE:
  202 <221> NAME/KEY: misc_feature
  203 <222> LOCATION: 17, 34
  204 <223> OTHER INFORMATION: y = c or u
  206 <400> SEQUENCE: 9
> 207 neuuaunnng agnngnynga gggannggee ennyganrne ennrgeaaen n SAME Errol 5
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  366 <211> LENGTH: 22
 367 <212> TYPE: RNA
 368 <213> ORGANISM: Arabidopsis thaliana
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 371 <221> NAME/KEY: misc_feature
 372 <222> LOCATION: 9
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 376 <221> NAME/KEY: misc_feature
 377 <222> LOCATION: 1-7, 10-16
 378 <223> OTHER INFORMATION: n = g, a, c or u
  380 <400> SEQUENCE: 18
> 381 nnnnnnngdn nnnnnncuga ga ---
 1043 <210> SEQ ID NO: 60
 1044 <211> LENGTH: 23
 1045 <212> TYPE: RNA
 1046 <213> ORGANISM: Bacillus subtilis
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 1049 <221> NAME/KEY: misc_feature
 1050 <222> LOCATION: 12-131
 1051 <223> OTHER INFORMATION: n = g, a, c or u
 1053 <220> FEATURE:
 1054 <221> NAME/KEY: misc_feature
 1055 <222> LOCATION: 2, 11, 52, 53, 70, 92, 132
 1056 <223> OTHER INFORMATION: r = a or g
 1058 <220> FEATURE:
 1059 <221> NAME/KEY: misc feature
 1060 <222> LOCATION: 3, 135
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RAW SEQUENCE LISTING

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Input Set : A:\228234 5.doc
                  Output Set: N:\CRF4\07282004\J669162B.raw
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  1064 <221> NAME/KEY: misc_feature
  1065 <222> LOCATION: 64, 72, 93, 119, 136
  1066 <223> OTHER INFORMATION: y = c or u
  1068 <400> SEQUENCE: 60
> 1069 rwagagggc rnnnnnann agua*
  1636 <210> SEQ ID NO: 98
  1637 <211> LENGTH: 51
  1638 <212> TYPE: RNA
  1639 <213> ORGANISM: Bacillus subtilis
  1641 <221> NAME/KEY: misc_feature
  1642 <222> LOCATION: 8, 13, 14, 26, 32, 33, 37, 41, 42, 50, 51, 54, 55, 63, 67
  1643 <223> OTHER INFORMATION: n = g, a, c or u
  1645 <220> FEATURE:
  1646 <221> NAME/KEY: misc feature
  1647 <222> LOCATION: 18, 38, 44, 53, 68, 71, 72, 78, 79, 84, 87
  1648 <223> OTHER INFORMATION: r = a or g
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  1651 <221> NAME/KBY: misc_feature
  1652 <222> LOCATION: 1, 17, 25, 34, 60, 74, 75
  1653 <223> OTHER INFORMATION: y = c or u
> 1655 <400> 98
> 1656 youuaucnag agnnggyrga gggaynggcc cnnyganrcc nncrgcaacn n
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  7184 <213> ORGANISM: Artificial Sequence
  7186 <220> FEATURE:
  7187 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
  7188
            synthetic construct
  7190 <220> FEATURE:
  7191 <221> NAME/KEY: misc_feature
  7192 <222> LOCATION: 3-4, 7-9, 12, 14-15, 21, 24, 28-30
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  7195 <220> FEATURE:
  7196 <221> NAME/KEY: misc feature
  7197 <222> LOCATION: 1, 10, 22, 27, 31
  7198 <223> OTHER INFORMATION: r = a or g
  7200 <400> SEQUENCE: 379
> 7201 ranncennr engnneege nrengurnn r
  7392 <210> SEQ ID NO. 388
  7393 <211> LENGTH: (19
 7394 <212> TYPE: RNA
  7395 <213> ORGANISM: Artificial Sequence
 7397 <220> FEATURE:
 7398 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note =
 7399
            synthetic construct
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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/669,162B

7401 <220> FEATURE:

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PATENT APPLICATION: US/10/669,162B TIME: 15:47:41 Input Set : A:\228234 5.doc Output Set: N:\CRF4\07282004\J669162B.raw 7402 <221> NAME/KEY: misc\_feature 7403 <222> LOCATION: 1-3, 10-11, 14-17, 19 7404 <223> OTHER INFORMATION: n = g, a, c or u 7406 <220> FEATURE: 7407 <221> NAME/KEY: misc\_feature 7408 <222> LOCATION: 18 7409 <223> OTHER INFORMATION: r = a or g7411 <220> FEATURE: 7412 <221> NAME/KEY: misc feature 7413 <222> LOCATION: 8 7414 <223> OTHER INFORMATION: Y = C OF 7416 <400> SEQUENCE: 388 7417 nngugcyan necnnnnrn 7498 <210> SEQ ID NO. 393 7499 <211> LENGTH: 43 7500 <212> TYPE: RNA 7501 <213> ORGANISM: Artificial Sequence 7503 <220> FEATURE: 7504 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note = synthetic construct 7507 <220> FEATURE: 7508 <221> NAME/KEY: misc\_feature 7509 <222> LOCATION: 1-8, 14-20, 21-22, 32-43 7510 <223> OTHER INFORMATION: n = g, a, c or u 7512 <220> FEATURE: 7513 <221> NAME/KEY: misc\_feature 7514 <222> LOCATION: 9-10, 29 7515 <223> OTHER INFORMATION: r = a or g7517 <220> FEATURE: 7518 <221> NAME/KEY: misc\_feature 7519 <222> LOCATION: 23, 31 7520 <223> OTHER INFORMATION: y = c or u 7522 <400> SEQUENCE: 393 7523 mnnnnnnrr aggnnnnnn nnygeegarg ynnnnnnnnn nnn 7567 <210> SEQ ID NO: 7568 <211> LENGTH: (27) 7569 <212> TYPE: RNA 7570 <213> ORGANISM: Artificial Sequence 7572 <220> FEATURE: 7573 <223> OTHER INFORMATION: Description of Artificial Sequence:/Note = 7574 synthetic construct 7576 <220> FEATURE: 7577 <221> NAME/KEY: misc\_feature 7578 <222> LOCATION: 1-11 7579 <223> OTHER INFORMATION: n = g, a, c or u

RAW SEQUENCE LISTING

7582 <221> NAME/KEY: misc\_feature

7584 <223> OTHER INFORMATION: y = c or u

7581 <220> FEATURE:

7583 <222> LOCATION: 12

RAW SEQUENCE LISTING

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Output Set: N:\CRF4\07282004\J669162B.raw

7586 <400> SEQUENCE: 396

--> 7587 որոդորդոր ոչացաշա

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/669,162B

DATE: 07/28/2004 TIME: 15:47:42

Input Set : A:\228234\_5.doc

Output Set: N:\CRF4\07282004\J669162B.raw

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::71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
 1:341 Repeated in SeqNo=3
 .:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
 1:341 Repeated in SeqNo=5
 .:130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
::152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0 ::179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
 ::179 M:254 E No. of Bases conflict, LENGTH:Input:0 Counted:36 SEQ:8
::207 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
::207 M:254 E) No. of Bases conflict, LENGTH:Input:0 Counted:51 SEQ:9
.:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
1:341 Repeated in SeqNo=10
::264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
 1:341 Repeated in SeqNo=11
.:298 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
::331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
1:341 Repeated in SeqNo=15
:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
1:341 Repeated in SeqNo=16
::361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
1:341 Repeated in SeqNo=17
::381 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
::381 M:254 B No. of Bases conflict, LENGTH:Input:0 Counted:22 SEQ:18
.:394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
::408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
::422 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
1:341 Repeated in SeqNo=21
.:437 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
1:341 Repeated in SeqNo=22
::453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
1:341 Repeated in SeqNo=23
::470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
1:341 Repeated in SeqNo=24
::485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
1:341 Repeated in SeqNo=25
::500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
1:341 Repeated in SeqNo=26
::517 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
1:341 Repeated in SeqNo=27
::532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
::341 Repeated in SeqNo=28
::547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
:341 Repeated in SeqNo=29
::563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
::341 Repeated in SeqNo=30
::579 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
::341 Repeated in SeqNo=31
:595 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
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1:341 Repeated in SeqNo=32

1:611 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0

1:341 Repeated in SeqNo=33

1:628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0

1:341 Repeated in SeqNo=34

1:1069 M:254 E No. of Bases conflict, LENGTH:Input:0 Counted)23 SEQ:60

1:1655 M:258 E Mandatory Feature missing, <220> Tag not found for SEQ ID#:98

1:7656 M:254 E No. of Bases conflict, LENGTH:Input:0 Counted:51 SEQ:98

1:7201 M:252 E No. of Seq. differs, <211> LENGTH:Input:19 Found:31 SEQ:379

1:7417 M:254 E No. of Bases conflict, LENGTH:Input:19 Found:18 SEQ:388

1:7523 M:254 E No. of Seq. differs, <211> LENGTH:Input:43 Counted:44 SEQ:393

1:7587 M:254 E No. of Seq. differs, <211> LENGTH:Input:43 Found:44 SEQ:393

1:7587 M:254 E No. of Seq. differs, <211> LENGTH:Input:27 Found:47 SEQ:396

1:7587 M:254 E No. of Seq. differs, <211> LENGTH:Input:27 Found:47 SEQ:396

1:7587 M:254 E No. of Seq. differs, <211> LENGTH:Input:27 Found:47 SEQ:396

1:7587 M:254 E No. of Seq. differs, <211> LENGTH:Input:27 Found:47 SEQ:396

1:7587 M:254 E No. of Seq. differs, <211> LENGTH:Input:27 Found:47 SEQ:396

1:7587 M:254 E No. of Seq. differs, <211> LENGTH:Input:27 Found:47 SEQ:396
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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.